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Amendments to the Claims:

The following listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-3 (cancelled).

Claim ²~~4~~ (currently amended): The communications system of claim ¹~~1~~ wherein the communications system is used as a mobile electronic gathering system, including a video camera and audio transducer coupled to at least one of the wireless ~~transmitter~~ transmitters, the at least one wireless transmitter being a mobile transmitter configured to receive video and audio signals from the video camera and audio transducer for inclusion in the data signal.

Claim ³~~8~~ (currently amended): The communications system of claim ¹~~1~~ wherein at least some of the base stations are connected to the hub station by wired communications links.

Claims 6 -11 (cancelled).

Claim ¹~~12~~ (currently amended): A communications system for transferring information from a wireless transmitter to a hub station, comprising:

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a plurality of wireless transmitters, each configured to transmit a data signal as successive OFDM symbols with training symbols included among the OFDM symbols;

a plurality of base stations, each configured to receive OFDM symbols from the wireless transmitters located in a corresponding coverage area and relay the received OFDM symbols to a hub station, at least some of said base stations having overlapping coverage areas such that more than one base station can receive OFDM symbols from the same mobile transmitter;

a hub station configured to receive the OFDM symbols from the base stations and demodulate the OFDM symbols and output an estimate of the data signals from the wireless transmitters, wherein each of the base stations is connected to the hub station by a substantially independent communications link and the hub station is configured to reduce differences in propagation delays between at least some of the communications links by measuring time differences of training symbols detected on the at least some communications links and buffering the symbols from the at least some communications links based on the measured time differences.

⁴
Claim ~~13~~ (currently amended): The communications system of claim ¹~~12~~ wherein the hub station is configured to, after reducing the differences in propagation delays between the at least some

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communications links, combine signals received from the different base stations.

Claim 14 (cancelled).

Claim ⁵~~13~~ (original): The communications system of claim ⁴~~13~~ wherein at least some of the base stations are connected to the hub station by independent wired communications links having predetermined propagation delays, the hub station including buffering to substantially eliminate, prior to combining signals received on the communications links, any delay spread resulting from the predetermined propagations delays.

Claim ⁶~~16~~ (original): The communications system of claim ⁴~~13~~ wherein the hub station is configured to adaptively combine the signals received from each of the base stations based on measured signals characteristics

Claim ⁷~~17~~ (original): The communications system of claim ¹~~12~~ wherein the wireless transmitters share a common communications channel, the wireless transmitters each being configured to receive a common reference signal to synchronize sharing of the channel.

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Claim ⁸~~18~~ (original): The communications system of claim ⁷~~17~~ wherein the common reference signal is a GPS signal.

Claim ⁹~~19~~ (currently amended): The communications system of claim ¹~~12~~ wherein the training symbols transmitted by the wireless transmitters ~~periodically transmit predetermined~~ include psuedo-random training symbols, the hub station being configured to determine, for at least some of the base stations, if the base station has received a transmission from the wireless transmitters by checking for the presence of the psuedo-random training symbols in signals received from the base station.

Claim 20 (cancelled).

Claim ¹⁰~~21~~ (currently amended): A method for ~~providing processing~~ data signals that are transmitted by a wireless transmitter as a series of OFDM symbols with training symbols included among the OFDM symbols, said method comprising:

(a) receiving at a plurality of base stations the data signals ~~OFDM symbols~~ transmitted from ~~[[a]]~~ the mobile wireless transmitter ~~using multiple sub-carriers~~, and relaying the received data signals ~~OFDM symbols~~ from the plurality of base stations to a hub station, the base stations each having a substantially independent communications link with the hub station over which the received

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data signals are relayed; and

(b) receiving ~~and combining~~ at the hub station the ~~received~~
~~OFDM symbols~~ data signals relayed from the plurality of base
stations;

(c) reducing differences in propagation delays between at
least some of the communications links by measuring time
differences of the training symbols included in the data signals
relayed over communications links and buffering the data signals
from the at least some communications links based on the measured
time differences.

Claim 22 (cancelled).

¹¹
Claim ~~23~~ (currently amended): A receiver network for receiving from
at least one wireless transmitter data signals that include
successive OFDM symbols, comprising:

a plurality of spaced apart base stations configured to
substantially simultaneously receive OFDM symbols from the at least
one wireless transmitter and transmit the OFDM symbols to a hub
station;

a hub station configured to receive and demodulate the OFDM
symbols from the base stations wherein each of the base stations is

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connected to the hub station by a substantially independent communications link and training symbols are included among the OFDM symbols, wherein the hub station is configured to reduce differences in propagation delays between the communications links by measuring time differences of training symbols detected on the communications links and buffering the symbols from the communications links based on the measured time differences.

Claims 24 - 26 (cancelled).

¹²
Claim ~~27~~ (currently amended): The receiver network of claim ~~[[25]]~~
" ~~25~~ wherein the hub station is configured to perform a separate discrete Fourier transform on the OFDM symbols received from at least some of the different base stations, and combine the transformed symbols based on measured signal characteristics.

¹³
Claim ~~28~~ (original): The receiver network of claim ¹² ~~27~~ wherein the hub station is configured to combine the transformed symbols based on noise characteristics of signals received from the independent wired links.

¹⁴
Claim ~~29~~ (currently amended): The receiver network of claim ¹² ~~27~~ wherein ~~the OFDM symbols include training symbols,~~ the hub station

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~~being~~ is configured to determine which base stations have received a transmission from the wireless transmitter by checking for the presence of the training symbols in signals received from the base stations.

Claim ~~30~~¹⁵ (original): The receiver network of claim ~~29~~¹⁴ wherein the training symbols are predetermined psuedo-random symbols.

Claim ~~31~~¹⁶ (original): The receiver network of claim ~~29~~¹⁴ wherein the training symbols comprise OFDM symbols having predetermined characteristics distinguishable from OFDM symbols used to transmit useful data, the hub station being configured to determine the presence of the training symbols by determining if the signal power of sub-carriers associated with the at least one wireless transmitter exceed a threshold value.

Claim 32 - 35 (cancelled).

Claim ~~36~~¹⁷ (currently amended): A communications system for transferring information from a wireless transmitter to a hub station, comprising:

a plurality of wireless transmitters, each configured to transmit a data signal as successive OFDM symbols;

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a plurality of base stations, each configured to receive OFDM symbols from the wireless transmitters located in a corresponding coverage area and relay the received OFDM symbols to a hub station, at least some of said base stations having overlapping coverage areas such that more than one base station can receive OFDM symbols from the same mobile transmitter;

a hub station configured to receive the OFDM symbols from the base stations and demodulate the OFDM symbols and output an estimate of the data signals from the wireless transmitters, wherein the hub station includes:

- (i) a plurality of parallel OFDM symbol processing circuits, each processing circuit being associated with a respective base station for receiving OFDM symbols therefrom and performing at least some demodulation steps on the received OFDM symbols, ~~The communications system of claim 35~~ wherein the processing circuits each include a down converter for down converting the OFDM symbols received from the base station associated therewith, an analog to digital converter for converting the down converted OFDM symbols to digital signals, and a delay removal buffer for buffering the digital signals to accommodate for propagation differences between the different base stations and the hub station; and
- (ii) a summer for combining the outputs of the processing

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circuits to produce the estimates of the data signals from the
wireless transmitters.

¹⁸
Claim ~~27~~ (previously presented): The communications system of claim
¹⁷~~26~~ including a common reference source for providing a common clock
signal to the delay removal buffers.

¹⁹
Claim ~~28~~ (previously presented): The communications system of claim
¹⁷~~26~~ wherein the OFDM symbols include training symbols, the delay
removal buffers being configured to buffer the digital signals
based on timing of detected training symbols.

²⁰
Claim ~~29~~ (previously presented): The communications system of claim
¹⁷~~26~~ wherein each of the processing circuits includes a discrete
Fourier transform module for performing a discrete Fourier
transform on the symbols processed thereby.

²¹
Claim ~~40~~ (currently amended): The communications system of claim ¹⁷~~26~~
wherein the hub station ~~including~~ includes an adaptive combiner
controller for receiving representations of the OFDM symbols
received from each of the base stations and determining signal
characteristics thereof, the processing ~~chains~~ circuits each
including a complex weighting device responsive to the adaptive

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combiner controller for applying a weighting factor to the symbols processed thereby based on the determined signal characteristics.

Claim ²²~~41~~ (new): The receiver network of claim ¹¹~~23~~ wherein the training symbol includes at least two identical sub-symbols.

Claim ²³~~42~~ (new): The method of claim ¹⁰~~21~~ including:

(d) combining the data signals at the hub station subsequent to reducing the differences in propagation delays.